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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/067,301	02/07/2002	Choon-sik Jung	1293.1313	7034

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EXAMINER	
DUNN, MISHAWN N	
ART UNIT	**PAPER NUMBER**
2621	

MAIL DATE	DELIVERY MODE
06/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/067,301	JUNG, CHOON-SIK	
	Examiner	Art Unit	
	Mishawn N. Dunn	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *29 March 2007*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-7 and 10* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4,5-7, and 10* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *07 February 2002* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 3/29/2007 have been fully considered but they are not persuasive.

2. Applicant argues that Ando et al. does not teach the extracting a program allocation table, a program map table, and a location information of an I picture as recited in claims 1 and 5.

In response the Examiner respectfully disagrees. As recited in the specification, a program allocation table includes the PID of a TS packet having a program map table which includes the PIDs of TS packets having audio and/or video information related to the TV program (pg. 2, para. 0008). Ando et al. discloses a program allocation table (fig. 9) that includes the PID of a packet having a program map table (fig. 9e, 645) and a location information of an I picture (fig. 9e, 641).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-3 and 5-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Ando et al. (US Pat. No. 6,782,189).

5. Consider claim 1. Ando et al. teaches a method of storing program data, which is encoded by compression, comprising: extracting information, which is to be referenced in reproducing the program data, from the program data; making a table of the extracted information; and storing the table having the extracted information and the program data in a storage apparatus (fig. 20), wherein the program data is encoded by compression according to the MPEG-2 standard and packetized in the form of a transport stream (TS) and the extracting of the information comprises extracting a program allocation table (PAT), a program map table (PMT), and location information of an I-picture (fig. 9).

6. Consider claim 2. Ando et al. teaches the method for storing program data of claim 1, wherein the extracting of the information comprises extracting location information of an I-picture (col. 15, line 2).

7. Consider claim 3. Ando et al. teaches the method for storing program data of claim 1, wherein the program data is stored in packets and the extracting of the information comprises extracting description information of each packet and location information of an I-picture (col. 15, line 2).

8. Consider claim 5. Ando et al. teaches an apparatus for storing a program which is encoded and packetized in transport stream (TS) packets according to an MPEG-2 standard (col. 7, lines 19-22; col. 8, lines 38-40), the apparatus for storing a program comprising: a TS demux which extracts program packets related to a program desired to be stored from the TS packets (col. 28, lines 57-63; fig. 19); a TS demux control unit

which controls the TS demux to extract the program packets (col. 29, lines 24-27; fig. 19), and extracts location information of an I-picture (col. 15, line 2); a control unit which: buffers and outputs the program packets extracted by the TS demux (col. 28, lines 57-63; fig. 19), extracts program allocation table (PAT) and program map table (PMT) information related to the program desired to be stored from the program packets (fig. 9), and makes a program table having the extracted PAT and PMT information and the extracted location information of a packet related to the I-picture (fig. 9); and a storing apparatus which stores the program packets and the program table (fig. 19).

9. Consider claim 6. Ando et al. teaches the apparatus for storing a program of claim 5, wherein the control unit comprises: a random-access-memory (RAM) which buffers and outputs the program packets detected by the TS demux (col. 29, lines 27-28; fig. 19); and a central processing unit (CPU) which extracts the PAT information and the PMT information from the program packets stored in the RAM according to a predetermined program, and makes the program table (col. 27, lines 28-32; figs. 9 and 19).

10. Consider claim 7. Ando et al. teaches the apparatus for storing a program of claim 5, further comprising: a digital interface unit which controls a direct memory access (DMA) operation between the storing apparatus and the control unit (col. 27, lines 33-35; fig. 19).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

12. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ando et al. (US Pat. No. 6,782,189) in view of Official Notice.

13. Consider claim 10. Ando et al. teaches all the claimed limitations as stated above, except that the storing apparatus is a hard disc drive.

The examiner takes official notice that it is well known in the art to store information on a hard disc drive, rather than a removable storage medium.

Therefore, it would have been obvious to one with ordinary skill in the art, at the time the invention was made to use, to store the data on a hard disc drive, in order to provide efficient and reliable access to the data.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mishawn N. Dunn whose telephone number is 571-272-7635. The examiner can normally be reached on Monday - Friday 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mishawn Dunn
June 11, 2007

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